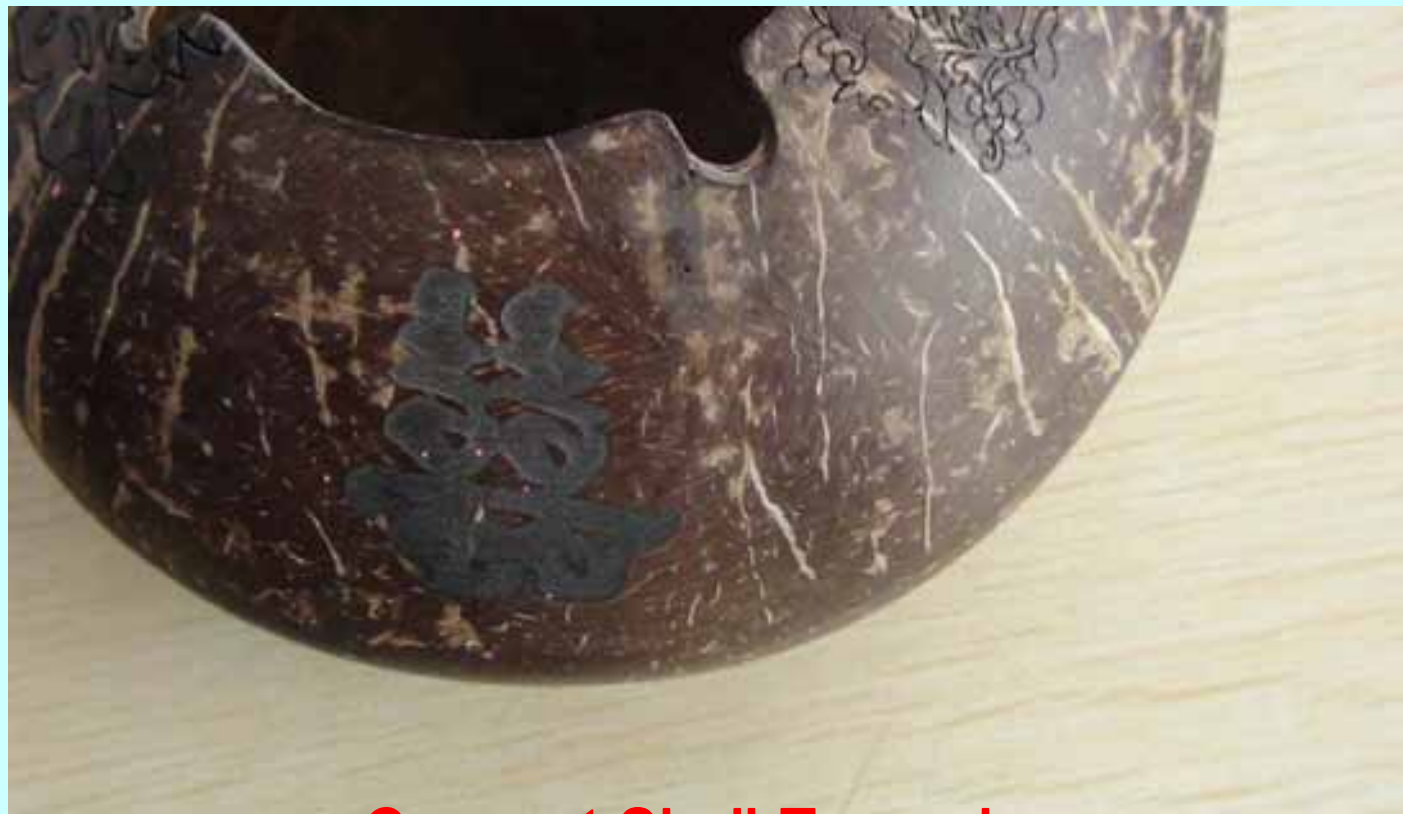




Foam Cutting



Coconut Shell Cutting



Coconut Shell Engraving







Wood Cutting





Paper Cutting



Catalog of Large-size Laser Cutter with Servo Motor and Ballscrew

Application

WISELY 1325BS and 1530BS large laser cutting machine is mainly designed to cut Clothing, Acrylic, Synthetic Glass, Wood, Handicraft Articles of large surface area and so on.

Feature

- ◆ 1. High Accuracy--HIWIN/PMI Linear Guiderail from Taiwan.
- ◆ 2. Three kinds of softwares for your choose: Lasercut5.3, AutoCAD and CorelDraw.
- ◆ 3. USB 2.0 Interface, Steady and Quick Transmitting Speed, suitable for Desktop PC or Laptop.
- ◆ 4. Two kinds of working tables for your choose: Fixed Aluminum Table & Fixed Honeycomb Table.
- ◆ 5. High Rigidity--The thickness of the machine body is 1.5mm, the shape of machine will not change within 30 months.
- ◆ 6. Laser tube and laser power supply from www.recilaser.com, perfect cutting/engraving effect, fine laser beam and strong power.
- ◆ 7. Online & Offline Operation: Transfer the file by Flash Memory Disk or USB cable from computer, then Operate the machine offline.
- ◆ 8. Massive Memory Capacity: Standard allocation of 128Mb inner memory capacity which can save 64 processing files simultaneously.
- ◆ 9. Open Worktable, Widely Cutting.
- ◆ 10. CE Certificate, ISO9001:2008, FDA.
- ◆ 11. Can adopt two laser tubes to raise efficiency.
- ◆ 12. Totally enclosed laser route, powerful security.
- ◆ 13. Faster cutting speed, smooth cutting and small joint, it can raise your working efficiency.
- ◆ 14. Consistent Operation: Power off restoration, broken point continuation, working time anticipation.
- ◆ 15. High cutting/engraving speed with SERVO motor from Mitsubishi/Panasonic in Japan

Technical Parameters

	<i>1325 and 1530 laser cutting machine is mainly designed to cut Clothing, Leather, Acrylic, Synthetic Glass, Wood, Handicraft Articles of large surface area and so on.</i>	
TYPE	MY-L1325BS	MY-L1530BS
Engraving Area	1300mm(W) * 2500mm(L)	1500mm(W) * 3000mm(L)
Laser Power	100W / 135W/170W	
Max. Cutting Depth	Max. 20/25/30mm Acrylic	
Laser Type	Glass CO2 laser tube from Beijing RECI (Lifespan: Max. 10 000 hours)	
Laser Power Supply	From Beijing RECI	
Transmitting Parts	Ballscrew from Germany	
	Linear Guide Rail from Taiwan HIWIN	
Drive Type	Servo Motors and Driver from Japan Yaskawa & Panasonic	
Default Software / Controller	LaserCut5.3 / DSP Leetro 6535C Control Card	
Max. Cutting Speed	0-18000mm/min	
Highest Scanning Precision	2500DPI	
Positioning Precision	≤±0.01mm	
Supported Graphic Format	PLT, AI, BMP, DST, DXF	
Compatible Software	CorelDraw, PhotoShop, AutoCAD, TAJIMA, All types of AUTOCAD Software in cloth	
Cooling Type	Water-cooling	
Laser output Control	1-100% software setting	
Smallest Character Engraving	Chinese 2.0mm x 2.0mm . English 1.0mm x 1.0mm	
Power Supply	AC220V, 50HZ/AC110V, 60HZ	
Machine Color (DEFAULT)	It is red black, we can paint the machine with your color if your order is big.	
Computer Required	Memory: 512MB; Hardware: 40GB, OS: XP or VISTA, at least one USB port.	
ZnSe Lens Imported	Yes	

Silicon/Molybdenum Mirror	Yes	
Air Pump and Exhaust Fan	Yes	
Water Pump for tube	Yes	
Videos for operator	Yes, you can learn to focus, adjust the laser route, operate the machine and so on from the Videos.	
Worktable	Fixed Honeycomb Worktable or Fixed Aluminum Alloy Worktable--the same price.	
User Manual	Yes	
Water-cooling System for tube	Yes, but if you want this system to work, you need a Water-cooling Chiller, you can find the chiller from our website http://www.wwlaser.com/products/products_183_941.html .	
Equipment Dimension	3500mm * 2000mm * 1220mm	4000mm * 2200mm * 1320mm
Package Size	4054mm * 2100mm * 1517mm	4554mm * 2300mm * 1617mm
Net Weight	1050 kg	1350 kg
Gross Weight	1250 kg	1550 kg
Optional Device	1525 Working Area, Chiller, GSI 200W laser tube, Servo Motor & Ballscrew, Double Laser Tubes	
Recommended Spare Parts	Lens, Mirror, Laser Tube, Laser Power, Sensor	

Why Wisely Laser?

1. We use the high-precision Linear Guiderail imported from HIWIN or PMI in Taiwan.



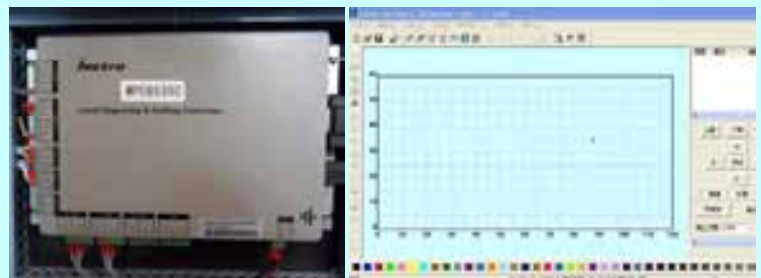
2. We use the best laser tube and laser power supply made in China, which is from www.recilaser.com.



3. We use the Servo Motor and Driver from Panasonic.



4. We use DSP Leetro 6535C control card (**NOT** 6515) and software LaserCut5.3 (**NOT** LaserCut 5.1).



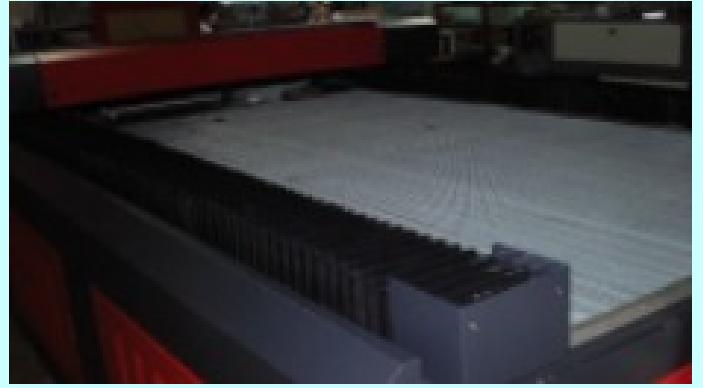
6. Three Softwares for your choice, you can choose one between the three. If you want to choose CDR or AutoCAD, you should install CorelDraw or AutoCAD in your PC firstly. The control system supports CorelDraw11, CorelDraw12, CorelDraw13, CorelDrawX4, AutoCAD over 2000 version.

5. Our machine adopts Ballscrew from Germany, not timing belt for transmitting.



7. Two kinds of table:

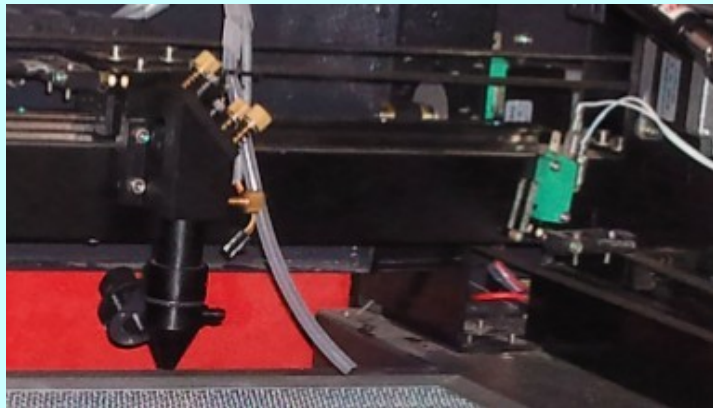
(1) Fixed Honeycomb Table (Default)



(2) Fixed Knife Table (Default)

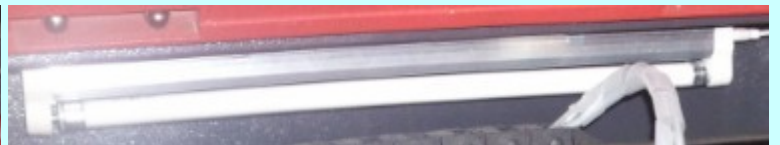


8. Limit Switches for X & Y Axis



The limit switches prevent the axis from attempting to go beyond the mechanical limits of the machine. Some machines can be equipped with autofocus sensor which ties into the control board. The sensors for the X and Y axis are non-contact sensors which yeild a more repeatable position over the life of the machine.

9. The inside light



It is always nice to check on the progress of the project that is currently running. The laser machine has a viewing window through the main access door, and this interior light works great for providing enough light to see what is happening inside.

10. Castor Wheels



WISELY various models of laser engraving&cutting machines can weigh from 100 kg to more than 1200 kg. Every machine is equipped with castor wheels to make it easier to move it around the workshop or office.

11. Coolant Flow Check Sensor



The laser machine can be equipped with a chiller or water pump and tank. In either case, the coolant must keep the laser tube from over heating. This check sensor ensures the laser will not be allowed to fire without proper coolant flow. It is typical for us to use a mixture of glycol (or Antifreeze) and water as the coolant fluid.

12. The machine can work WITHOUT a computer, one flash memory disk can be enough for saving files.



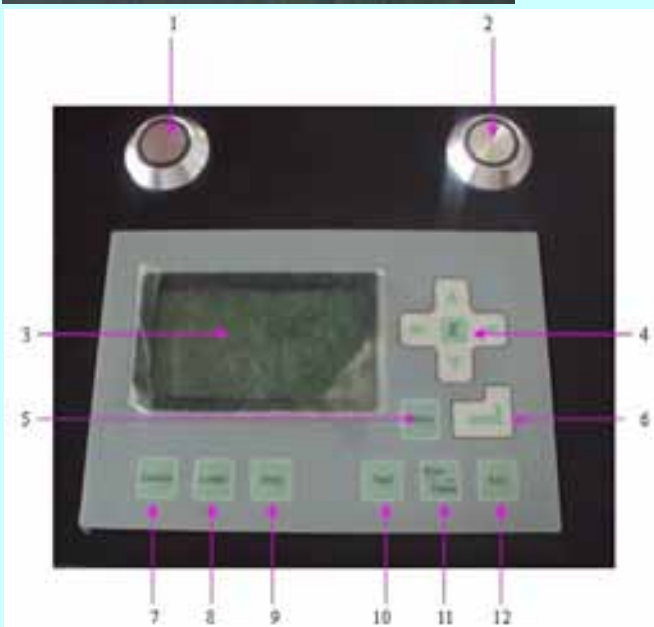
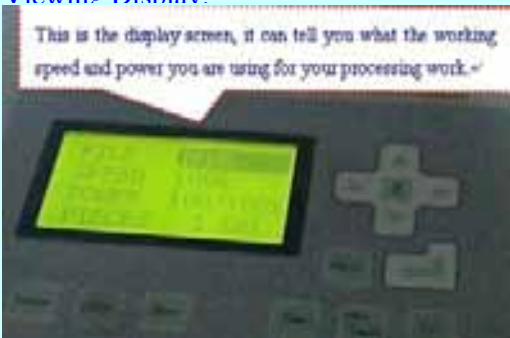
13. USB 2.0 Interface and CE Certificate

Laptop can work with our machine if it has USB 2.0
We have CE, ISO9001:2008 and FDA for our machine.



14. Control Panel

User Friendly LCD control panel allows the user to quickly change selected program and modify machine operational conditions. You can Start, Stop, Pause, Reset, Datum, Test Fire, Outline engrave project area, Move the X or Y axis, LCD Viewing Display.



15. Software

You can find one set of software, one USB cable and one Dongle in the bag.



16. Blower / Fan / Vacuum



1. Laser machine switch
2. Water chiller switch
3. LCD screen
4. Function key for Z axis, press this key, could move the Z axis by up, down, left and right.
This function needs the support of hardware.
5. Menu: Enter accessory interface
6. Enter: Confirm after setting parameter
7. Datum: the laser head will return to the original place in low speed; mainly for reducing the cumulative error.
8. Laser: the laser tube will ray after pressed this button, it is used for testing the light strong or weak.
9. Stop: press it when working, the machine will stop working and return to origin;
10. Test: Press "Test", the laser doesn't hit, the laser head runs quickly to show you the working area on the material.
11. Start / Pause: Press "Start", the machine will work or continue to work; Press "Pause", the machine will stop, the laser head will stop and the laser beam will not hit.
12. Esc: Escape or cancel the function setting.

The vacuum blower creates an air flow to remove dust and fumes from the work area of the laser machine. It is important to remove the dust and fumes from the laser engraving areas because dust can settle onto the mirrors or lens. Dust on the mirrors or lens will create a focal point of the laser's heat and soon destroying the optics. The fumes need to be removed from the operator work area because they can be irritating and unhealthy. The blower can also be connected to a vacuum box to pull air through the work material.

17. Vent Air Direction Control



The air that exits the laser machine can be controlled by this vent damper. It allows the operator to select what proportion of air can be pulled from above or below the work surface.

18. Air Pump



The air pump is used for three basic reasons. The primary reason is the push fumes away from the laser's focal lens. This protects the lens from contaminants which could destroy the lens. The second function of the air pump is to push air into the material's kerf as created by the laser beam. Air that is applied to the kerf will remove debris/fumes and allow the laser light to penetrate deeper through the material. The third reason is that the air will help to cool the material. If the laser cut/engraved material stays hot, then it could warp or shrink. This air pump is a diaphragm style which does not require oil. Oil or water in the air line could be projected directly onto the focal lens. This air pump has a higher air flow rate and is quieter than other piston stroke designs.

19. Water Pump



This is water pump which is used to cool the laser tube, it's free of charge. but it is suitable for laser tube with 80W or less than 80W. If your machine adopts laser tube with 100W or more than 100W, we advise you buy a Water-cooling Chiller.



CW-5000 Chiller--For single 100W, 135W, 170W laser
CW6000 Chiller--For single 135W, 170W and 195W laser tube

CW-5200 Chiller--For double 60W, 80W, 100W, 135W, 170W laser tubes

PH-LW15-BLP Chiller--For double 60W, 80W, 100W, 135W, 170W laser tubes

20. Red Dot Pointer



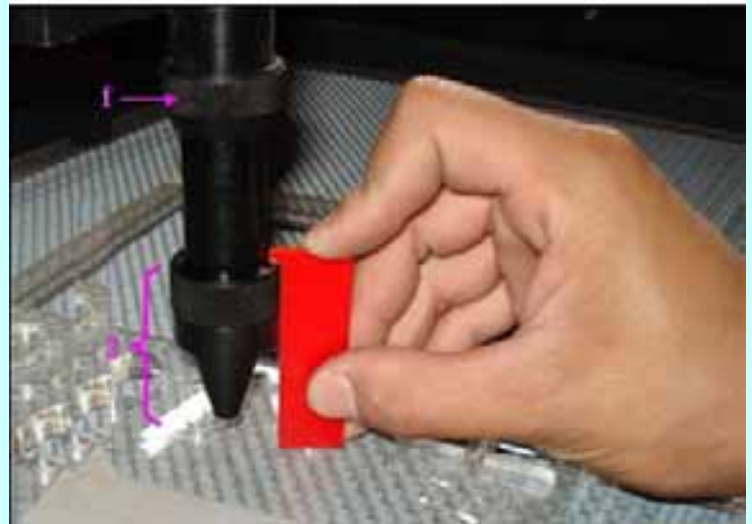
At the beginning of your processing work, you don't know where the laser will hit, but don't worry, you have "Red Dot Pointer", it can simulate the laser.

22. Lens and Reflecting Mirror



We use Lens and Silicon or Molybdenum imported from Singapore. The Focal Length is 3 or 4 inch, it is suitable for cutting thick material. The reflecting rate of mirror is close to 99.99%, and the mirror has longer life.

21. Focus



1. Lock cap

2. Focus distance

You should put the material onto the working table before focusing, then to process once you finish focusing, the acrylic piece will help you find the focus distance.

PACKING



Warranty

1. Every spare part (such as Laser Power, Drivers, Motors, Mainboard and so on) and Machine Body will have warranty of 12 months.
2. LASER TUBE has warranty period of 8 months.
3. LENS and MIRROR have warranty period of 3 months.
4. Warranty should be valid once the shipment is effected.

Price

Please look at our Price List or you can turn to us by wwlaser@gmail.com or sales@wwlaser.com

Shipment

Under ordinary circumstance, we will effect shipment within 7 WORKING DAYS after receiving your full payment.

Payment (Negotiable)

T/T, L/C, D/A and so on.

Package

1. Standard Export Package (Free of fumigation certificate)
2. The package can stand rude handling and long-distance transportation.
3. If you need the Fumigation Certificate, we can help you, but you will have to pay for it.

Warm Tips:

1. To download anything about our machine, please click http://www.wwlaser.com/about/about_181.html.
2. If you need Remote Support, please email support@wwlaser.com.
3. If you need Online Support, please visit our website www.wwlaser.com and click "Live Help", Hans will help you.